

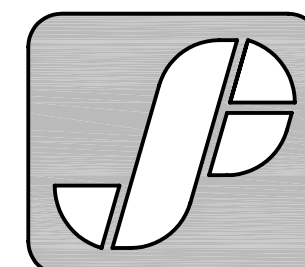
UTAH NATIONAL GUARD LEHI ARMORY TOILET ROOM REMODEL

300 EAST MAIN STREET
LEHI, UTAH 84043



STATE OF UTAH
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
4110 State Office Building / SLC, Utah 84114 / (801) 538-3018

DFCM PROJECT NO. 05209470



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& ASSOCIATES P.C.

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CONSULTING ENGINEERS

330 SOUTH 300 EAST - SALT LAKE CITY, UT 84111 - 801.530.3148

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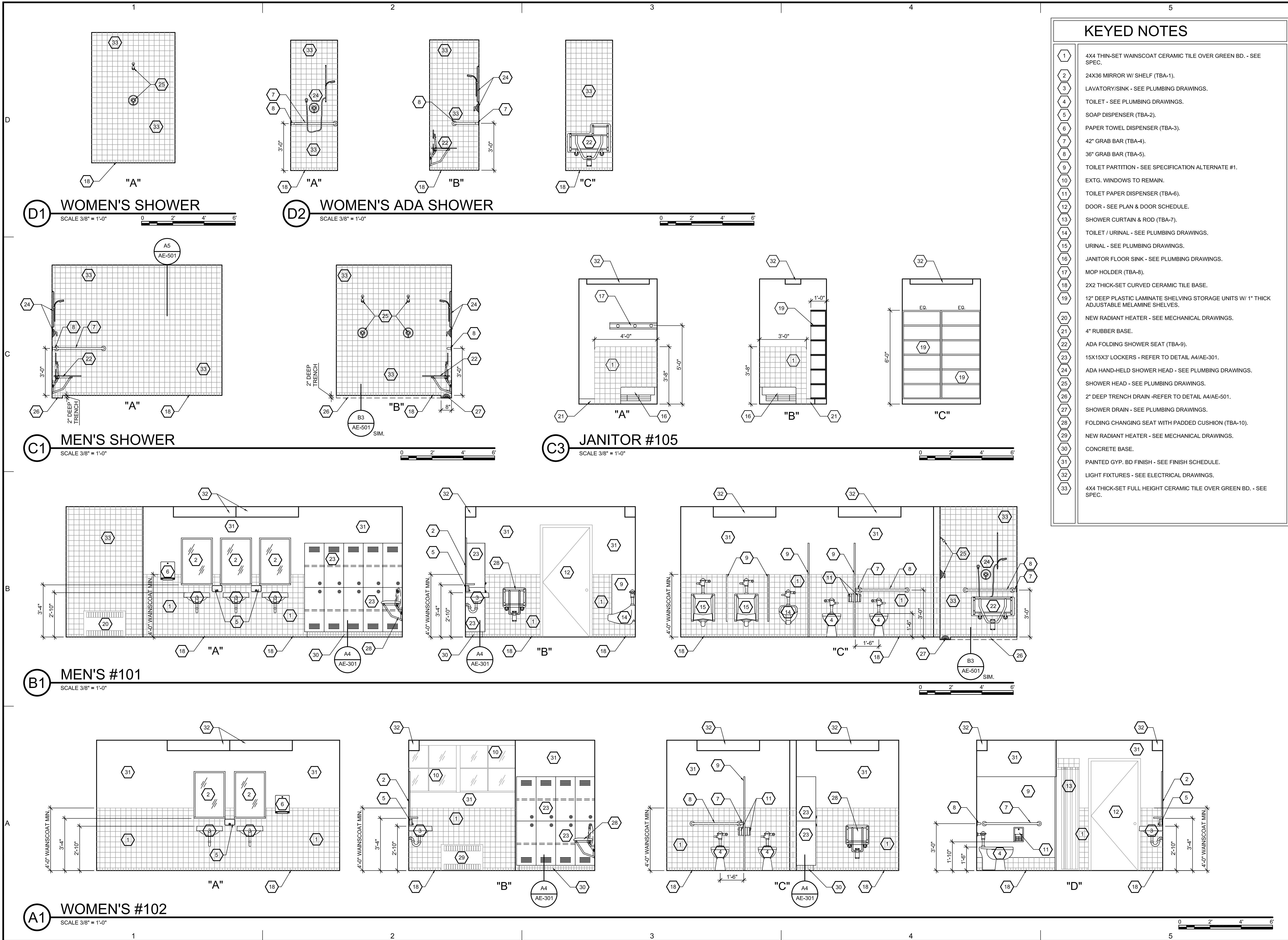
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AE-101



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STATE OF UTAH
SCOTT PAUL EVANS
NO. 118114
LICENSED PROFESSIONAL ARCHITECT

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**UTAH NATIONAL GUARD
LEHI ARMORY TOILET
ROOM REMODEL**
300 EAST MAIN STREET
LEHI, UTAH 84043

11/28/05 CONSTRUCTION DOCUMENTS
MARK DATE DESCRIPTION

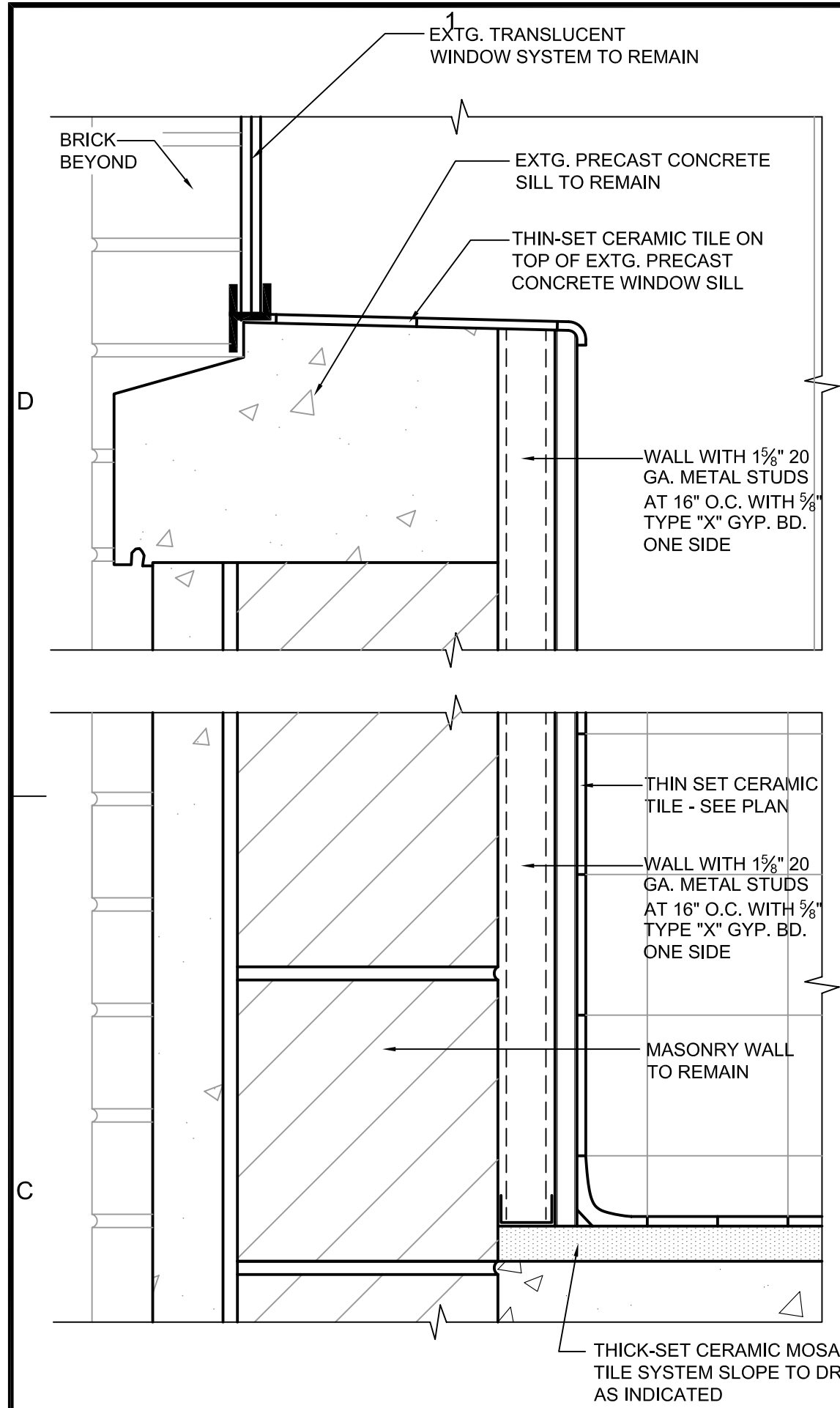
OWNER PROJECT NO: 05209470
ARCH. PROJECT NO: 05-18
CAD DWG FILE: AE-201.DWG
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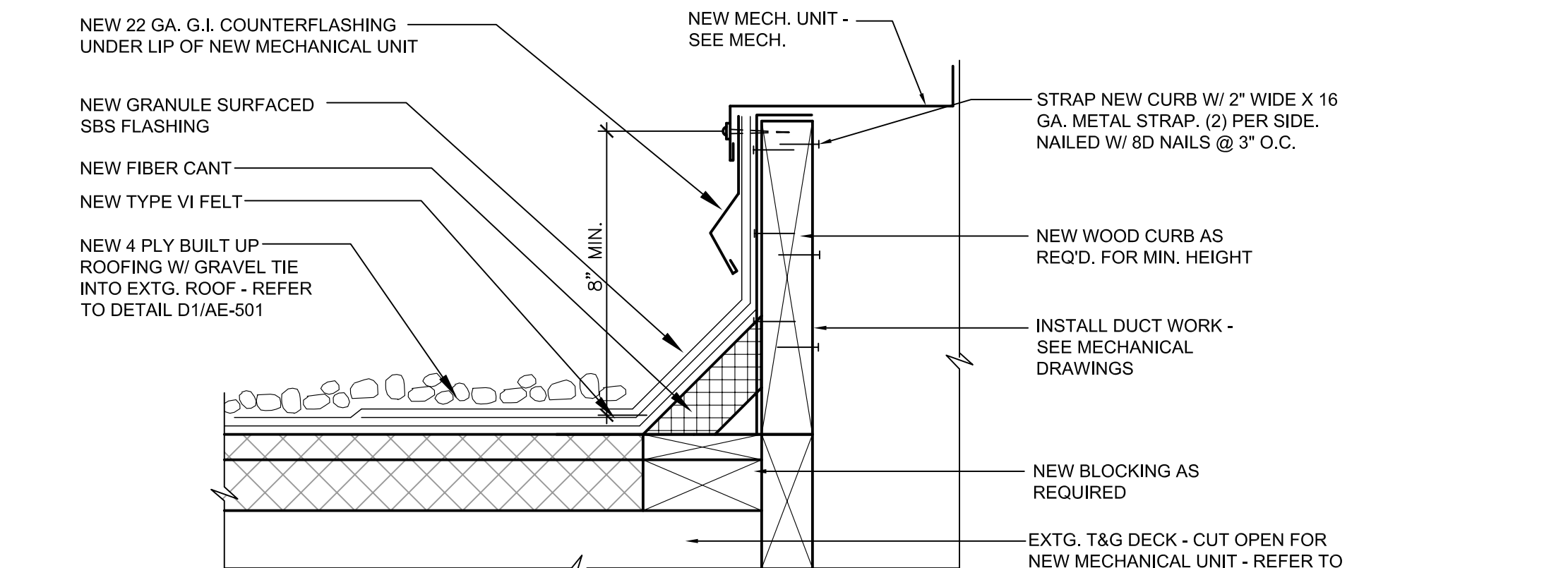
SHEET TITLE

ELEVATIONS
& KEYED NOTES

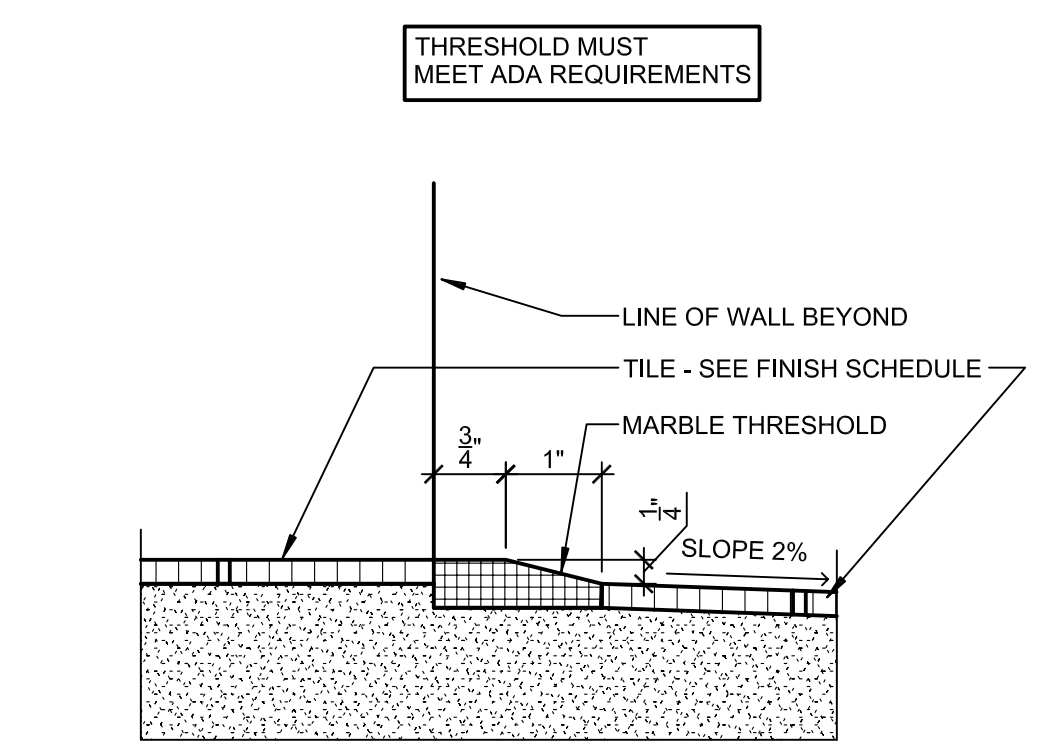
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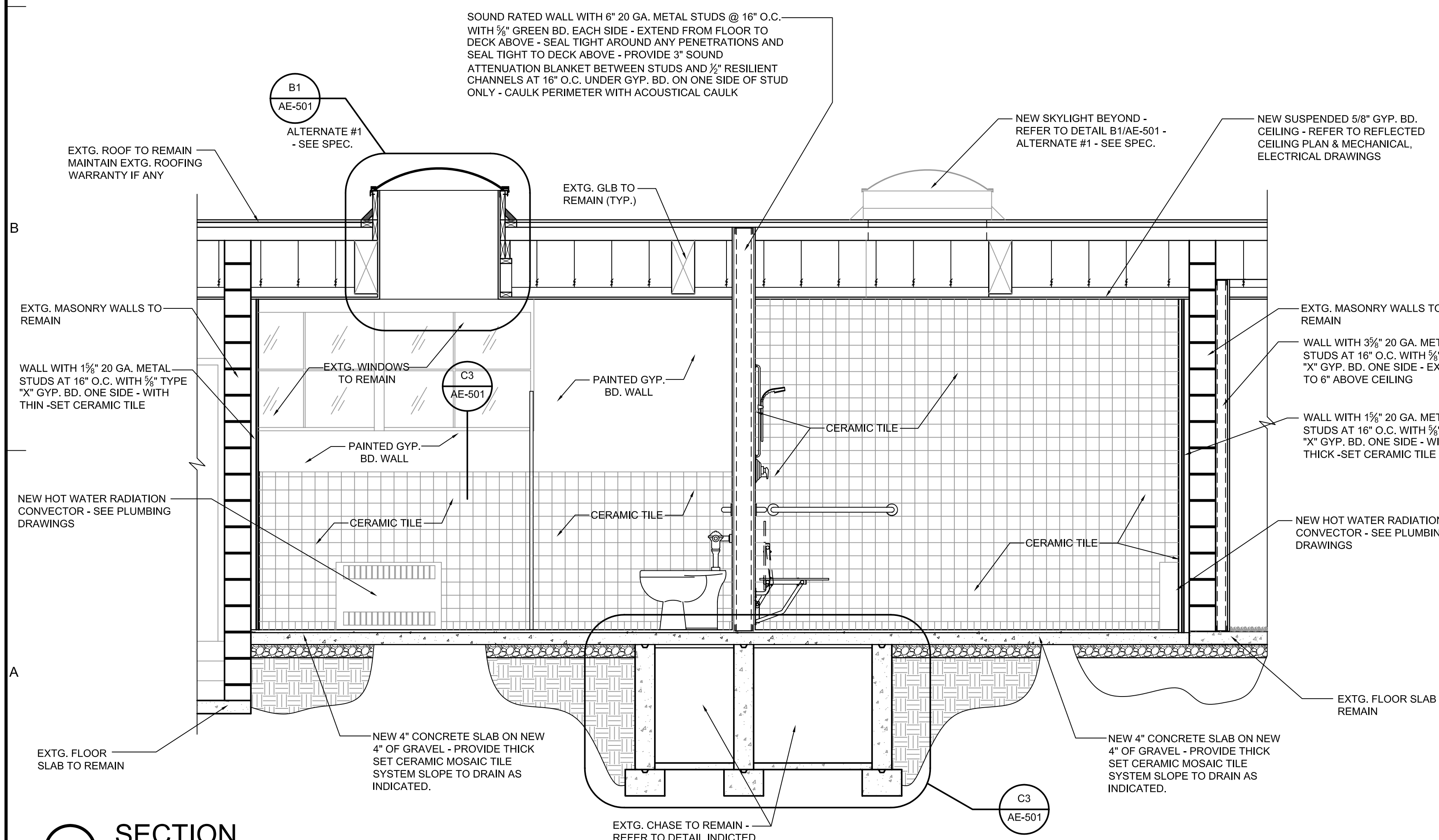
C1 WINDOW SILL DETAIL
SCALE 3" = 1'-0"



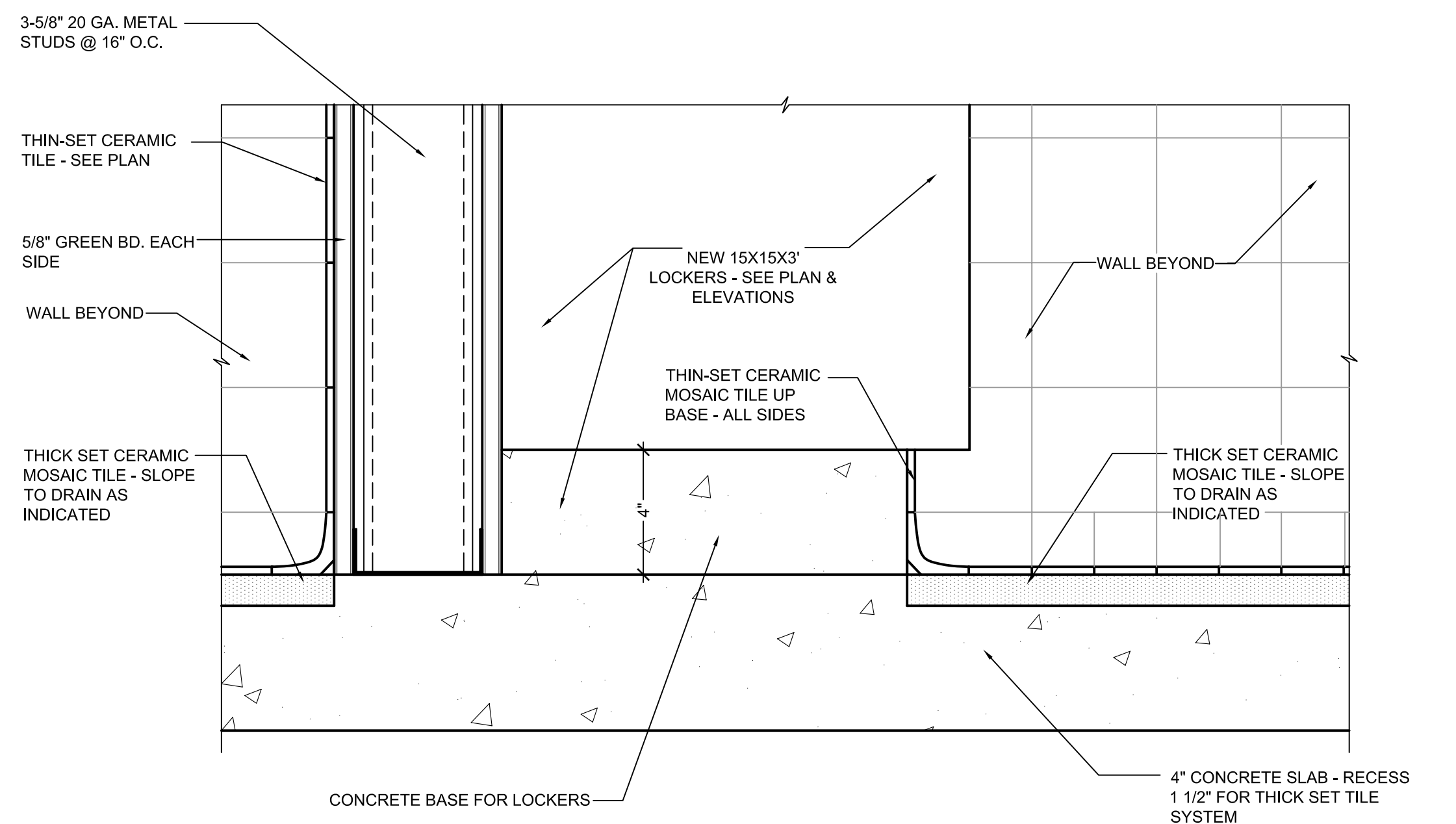
C2 NEW EQUIP. CURB DETAIL
SCALE 3" = 1'-0"



C3 THRESHOLD DETAIL
SCALE 6" = 1'-0"

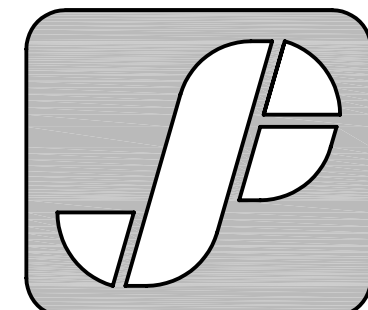


A1 SECTION
SCALE 1/2" = 1'-0"

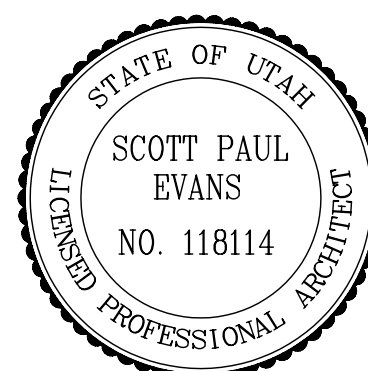


A4 LOCKER BASE DETAIL
SCALE 3" = 1'-0"

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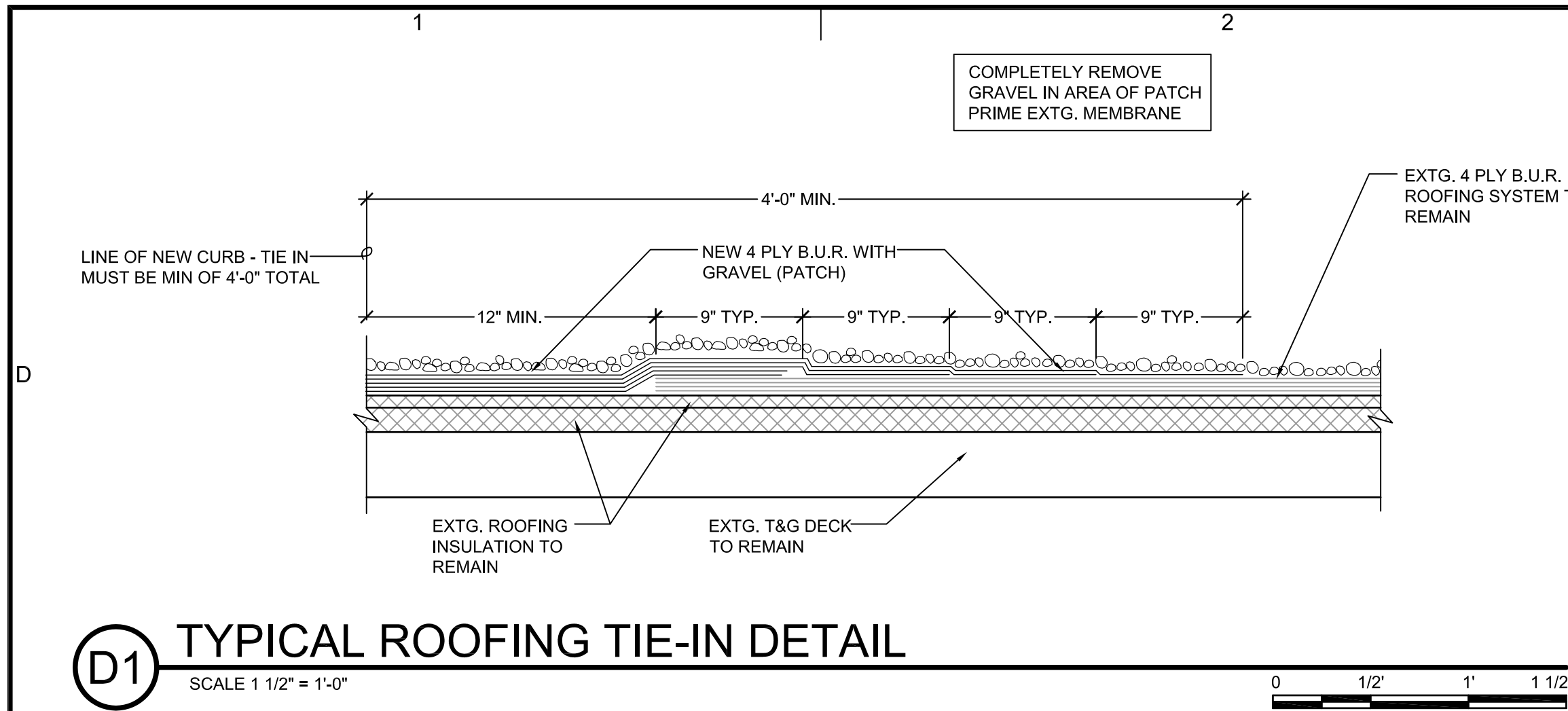
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	11/28/05	CONSTRUCTION DOCUMENTS

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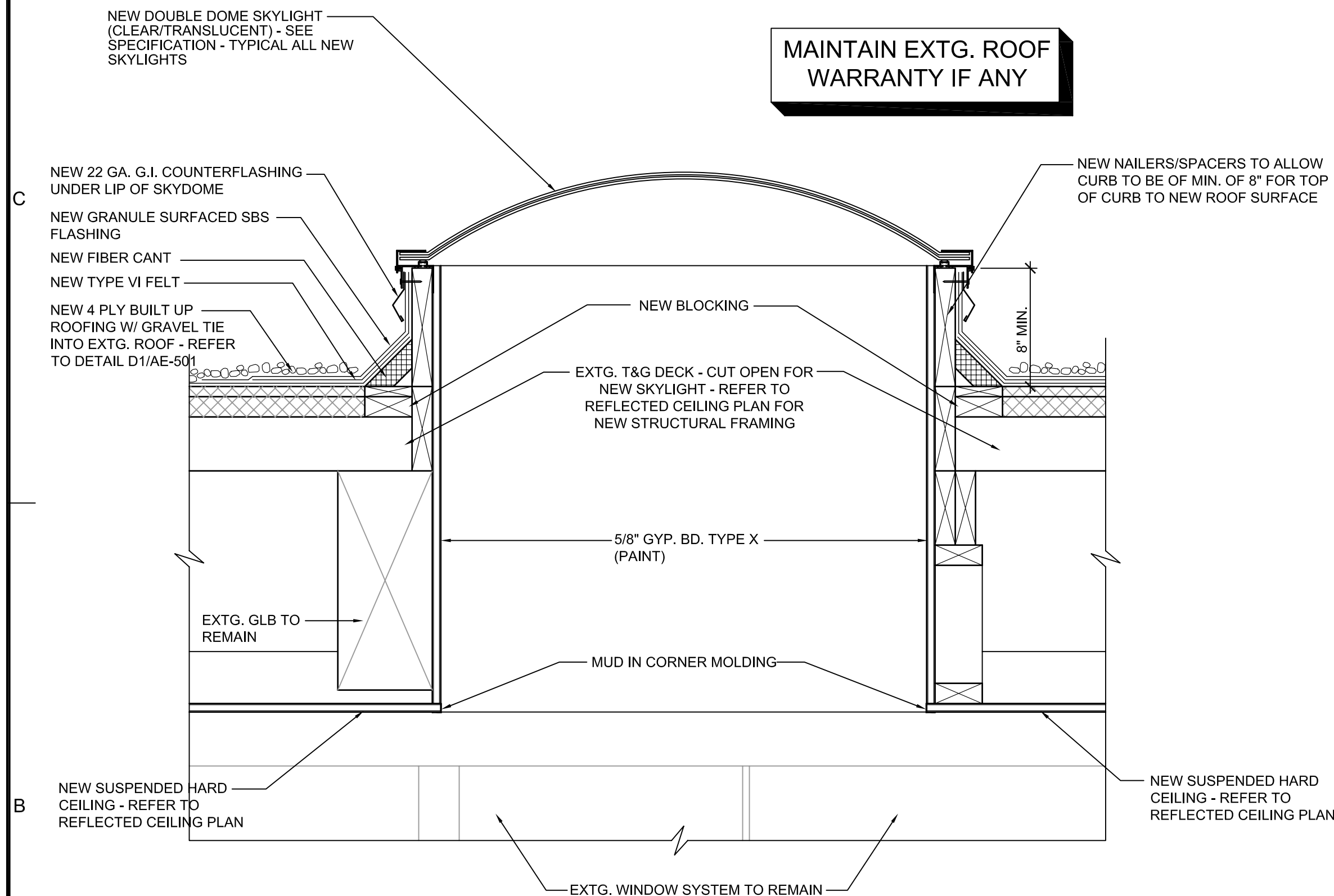
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SHEET TITLE
SECTION / DETAILS

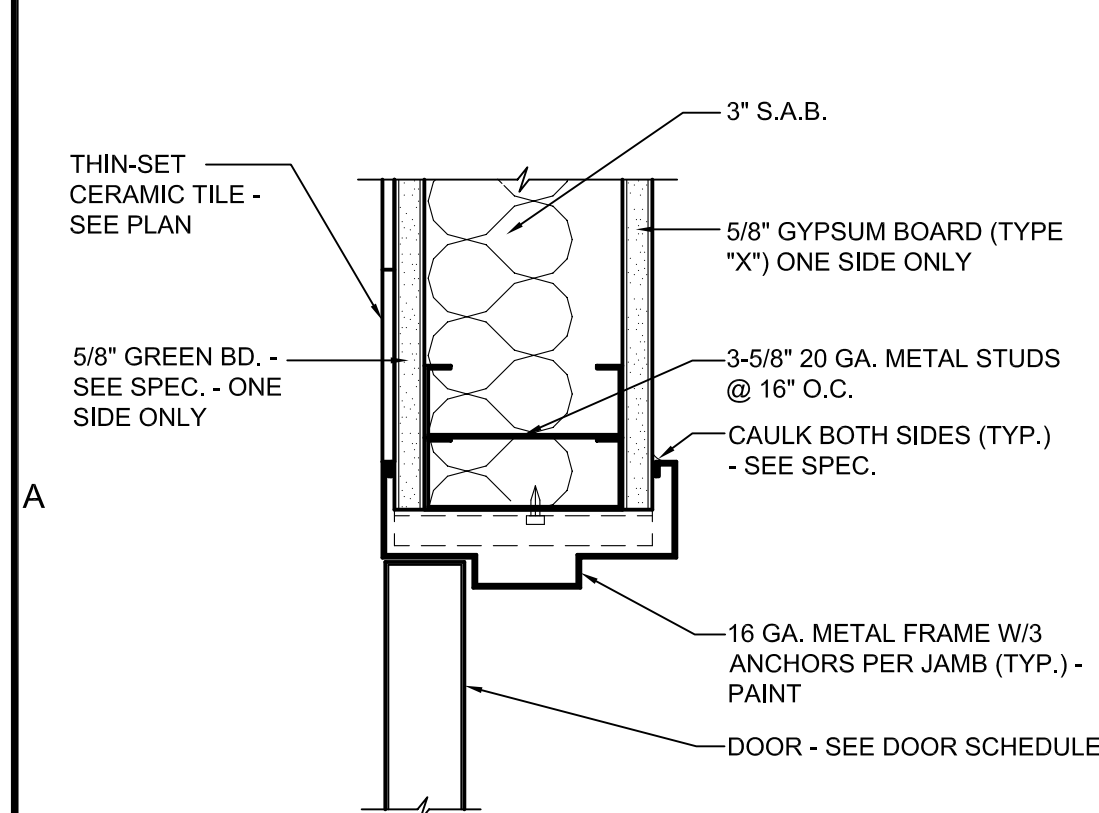
AE-301



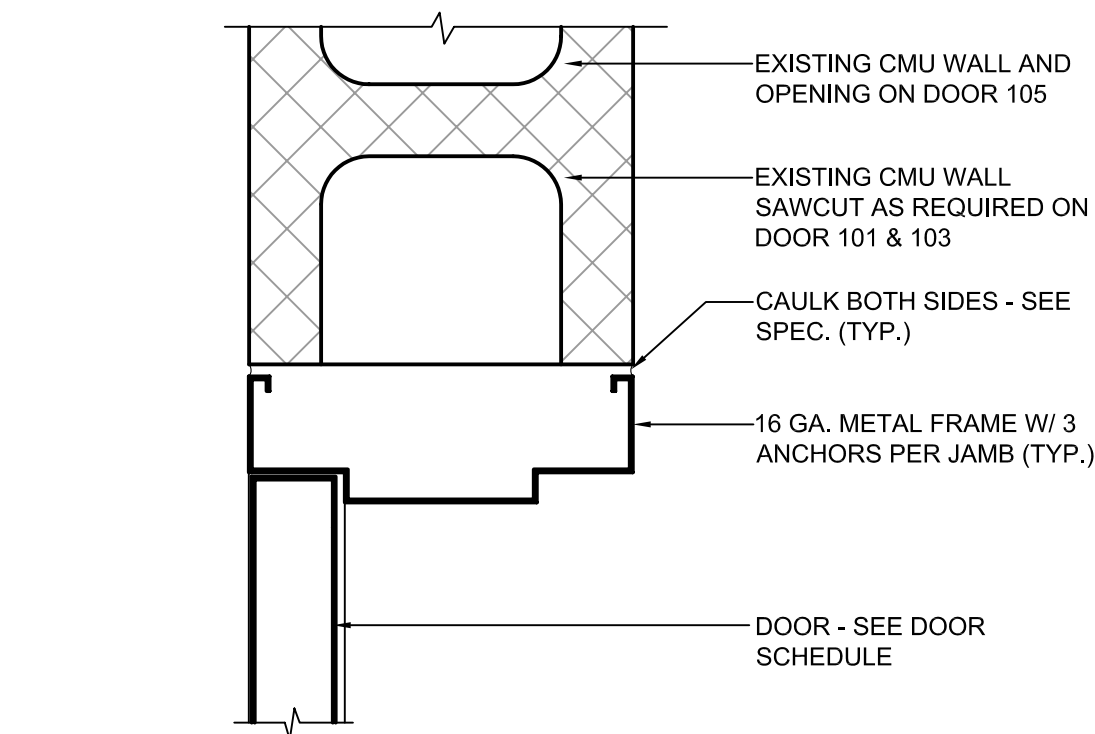
D1 TYPICAL ROOFING TIE-IN DETAIL
SCALE 1 1/2" = 1'-0"



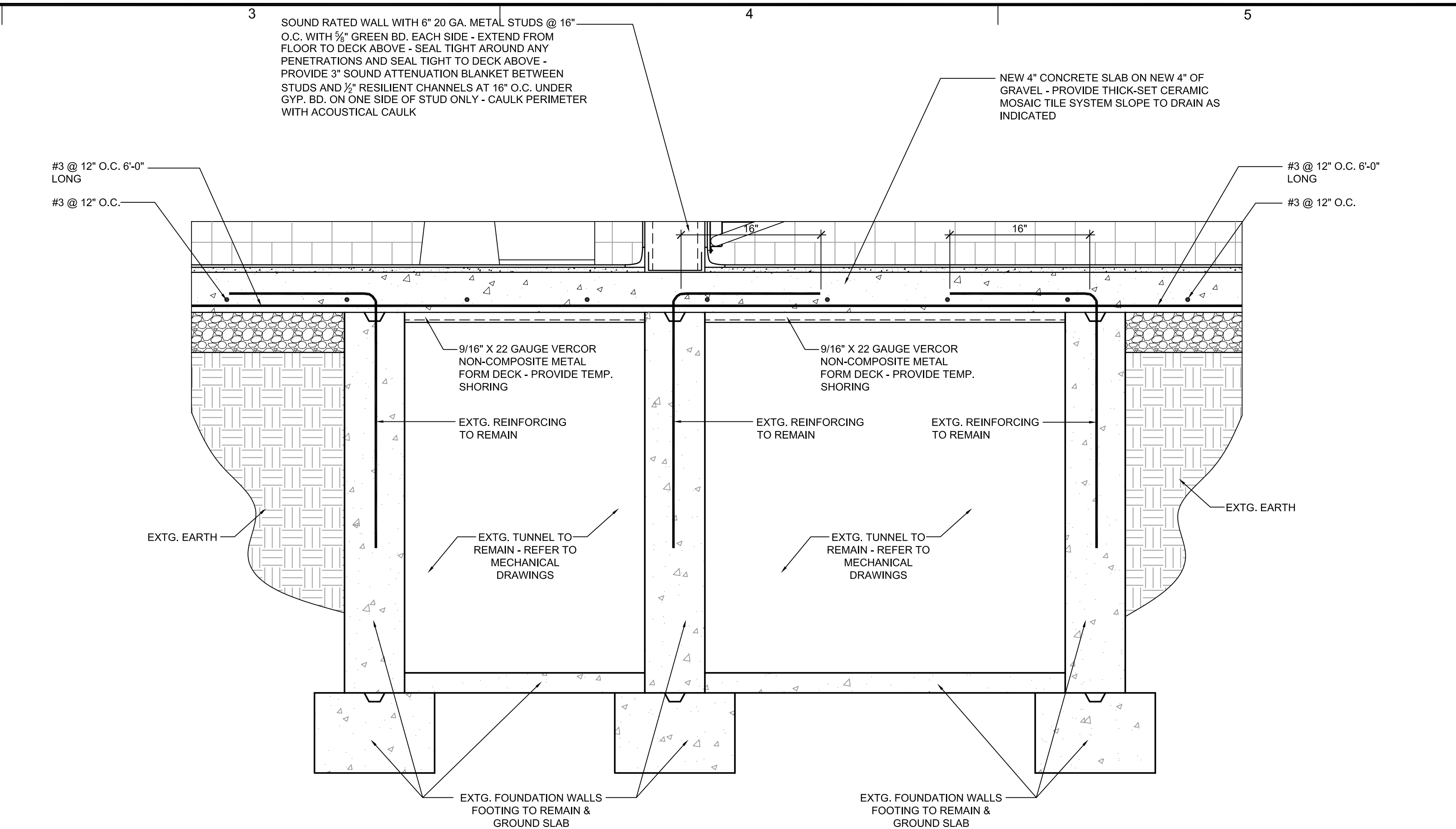
B1 ALTERNATE #1 SKYLIGHT DETAIL
SCALE 1 1/2" = 1'-0"



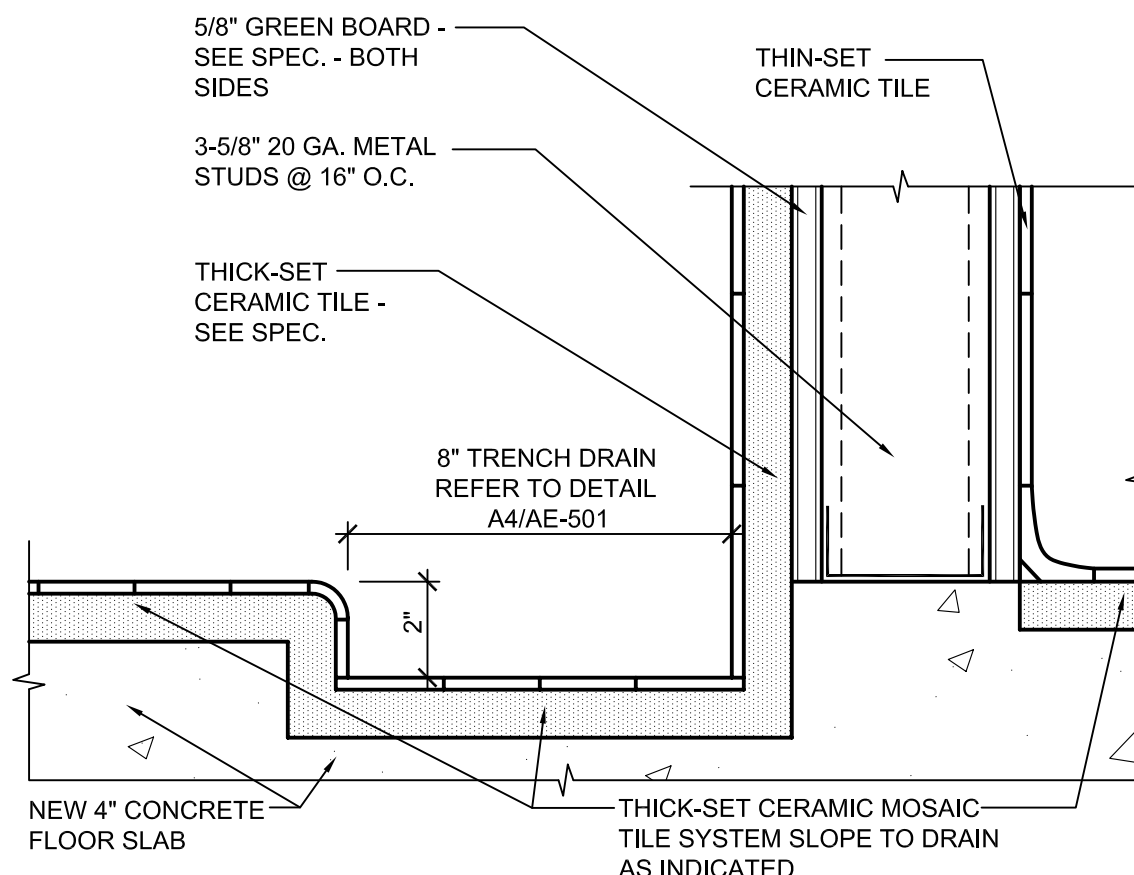
A1 DOOR JAMB (HEAD SIM.)
SCALE 3" = 1'-0"



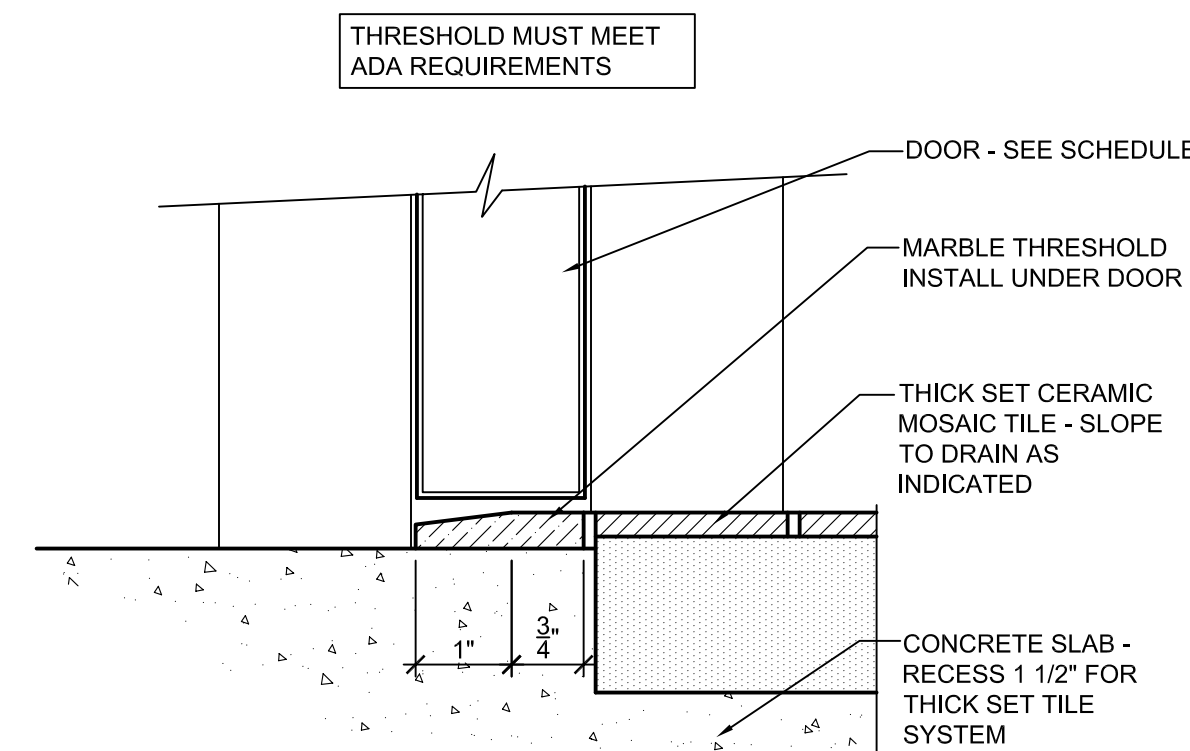
A2 DOOR JAMB DETAIL (HEAD SIM.)
SCALE 3" = 1'-0"



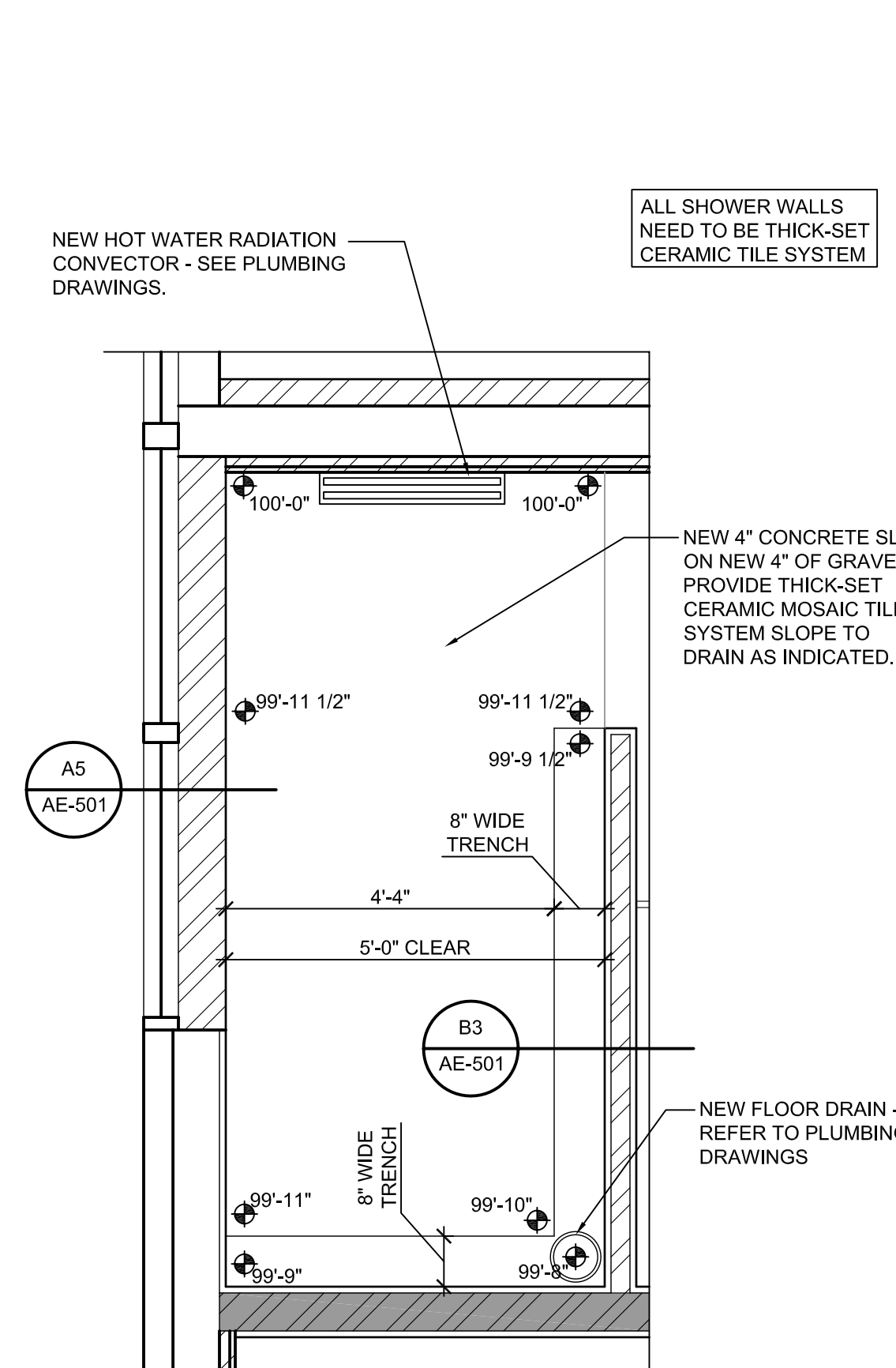
C3 DETAIL
SCALE 1 1/2" = 1'-0"



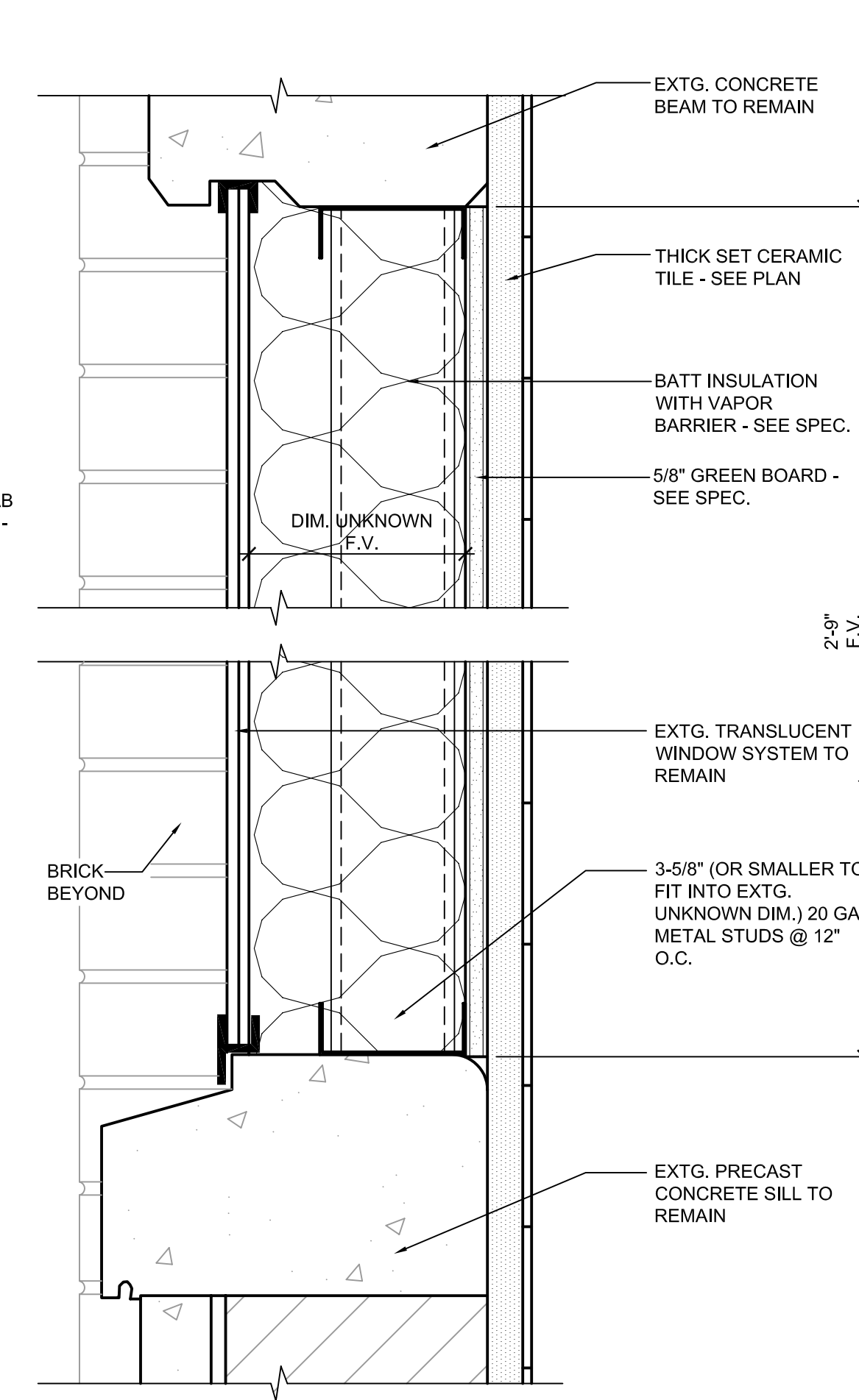
B3 TRENCH DETAIL
SCALE 3" = 1'-0"



A3 THRESHOLD DETAIL
SCALE 6" = 1'-0"

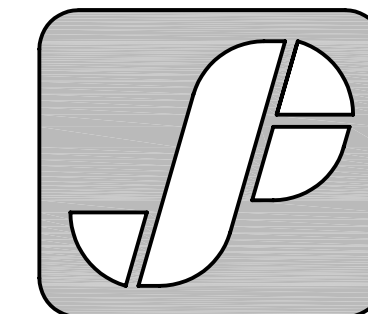


A4 ENLARGED MEN'S SHOWER PLAN
SCALE 1/2" = 1'-0"

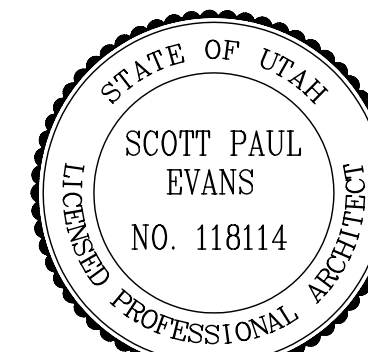


A5 WINDOW FILL-IN DETAIL IN MEN'S SHOWER
SCALE 3" = 1'-0"

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MARK	DATE	DESCRIPTION
11/28/05	CONSTRUCTION DOCUMENTS	

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SHEET TITLE
DETAILS

AE-501

[illegible][illegible]

SCALE 1/4" = 1'-0"

0 2' 4' 8'

2"

3'-0"

2"

3/8"

7'-0"

HOLLOW METAL
FRAME DOOR
(PAINTED)

"A"

SCALE 1/4" = 1'-0"

0' 2' 4' 8'

3'-0"

7'-0"

2'-4"

1'-6"

"A"

SOLD CORE WOOD DOOR

AIR GRILLE

3'-0"

7'-0"

"B"

A circular professional seal for Scott Paul Evans, a Licensed Professional Architect in the State of Utah. The seal features a scalloped outer border. Inside the border, the words "STATE OF UTAH" are curved along the top, and "LICENSED PROFESSIONAL ARCHITECT" is curved along the bottom. In the center of the seal, the name "SCOTT PAUL EVANS" is written in two lines, with "NO. 118114" below it.

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VBFA

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	11/28/05	CONSTRUCTION DOCUMENTS
MARK	DATE	DESCRIPTION

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SCHEDULES

AE-601

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

SINGLE LINE	DOUBLE LINE	
		POSITIVE PRESSURE DUCT - RISE
		POSITIVE PRESSURE DUCT - DROP
		NEGATIVE PRESSURE DUCT - RISE
		NEGATIVE PRESSURE DUCT - DROP
		ROUND DUCT - RISE
		ROUND DUCT - DROP
		UNDER FLOOR DUCT
		TURNING VANES
		FRESH AIR LOUVER
		RELIEF AIR OR EXHAUST AIR LOUVER
		CEILING SUPPLY DIFFUSER
		CEILING RETURN REGISTER
		CEILING EXHAUST REGISTER (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
		SIDEWALL SUPPLY REGISTER
		SIDEWALL EXHAUST OR RETURN REGISTER
		CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
		CEILING RETURN AIR GRILLE W/ SOUND BOOT
		LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
		FLEXIBLE DUCT CONNECTION
		FLEXIBLE DUCT
		FAN
		RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
		ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
		INCLINED RISE
		INCLINED DROP
		R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
		RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
		RECTANGULAR TO ROUND DUCT TRANSFORMATION
		BRANCH DUCT SPLIT WITH 6° WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
		TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
		MANUAL VOLUME DAMPER
		FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
		COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
		SMOKE DAMPER W/ ACCESS PANEL
		ATC DAMPER
		ACCESS PANEL IN DUCT OR PLENUM
		HEATING OR COOLING COIL IN DUCT
		SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.

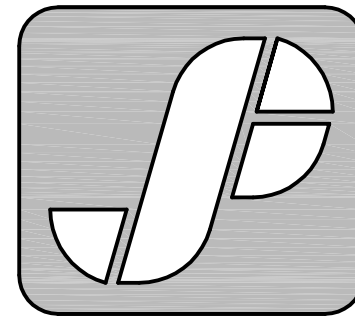
TOP FIGURES INDICATE NECK SIZE, BOTTOM FIGURE INDICATES CFM.

	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
	LOW PRESSURE CONDENSATE
	MEDIUM PRESSURE CONDENSATE
	HIGH PRESSURE CONDENSATE
	LOW PRESSURE STEAM
	MEDIUM PRESSURE STEAM
	HIGH PRESSURE STEAM
	VACUUM
	PUMPED CONDENSATE
	MAKE UP WATER
	NATURAL GAS
	EXISTING PIPING
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	HEATING HOT WATER SUPPLY
	HEATING HOT WATER RETURN
	GLYCOL HEAT RECOVERY PIPING
	GLYCOL PIPING SOLUTION
	LIQUIFIED PETROLEUM GAS
	EXISTING PIPING TO BE REMOVED
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	HOT GAS
	SOLENOID VALVE
	EXPANSION JOINT
	ALIGNMENT GUIDE
	DEMOLITION
	PRESSURE GAUGE WITH SHUT-OFF COCK
	PRESSURE GAUGE WITH PIGTAIL
	FLANGE
	UNION
	FLOW METER ORIFICE
	AIR VENT-MANUAL
	AIR VENT-AUTO

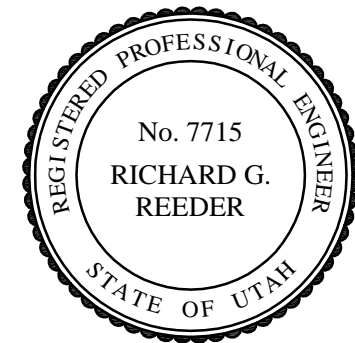
	FLOW SWITCH
	PRESSURE SWITCH
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING, SELF CONTAINED VALVE
	PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
	BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
	CHECK VALVE
	MOTOR OPERATED BUTTERFLY VALVE
	GAS COCK
	RELIEF VALVE
	GATE VALVE
	ATC VALVE - 2 WAY
	ATC VALVE - 3 WAY
	GLOBE VALVE
	FLOW CONTROL VALVE
	CALIBRATED BALANCING VALVE
	SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
	PUMP
	FLEXIBLE CONNECTION
	FLOW METER
	90° ELBOW
	45° ELBOW
	REDUCER
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE WHERE DISCHARGE IS NOT PIPED TO DRAIN
	THERMOMETER 0-100°F
	THERMOSTAT
	NIGHT THERMOSTAT
	SENSOR
	STEAM TRAP, F&T=FLOAT & THERMOSTATIC B=BUCKET, T=THERMOSTATIC
	DUCT SMOKE DETECTOR
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	PIPE INTO PLANE
	PIPE OUT OF PLANE
	PIPE BRANCH - IN TO PLANE
	PIPE BRANCH - OUT OF PLANE
	PIPE BRANCH - IN PLANE

	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	HOSE VALVE
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	CLEAN-OUT
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	VENT THRU ROOF
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC RECIRCULATING HOT WATER
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	VENT (SEWER)
	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	ANCHOR

SCOTT P. EVANS
ARCHITECT
& ASSOCIATES P.C.



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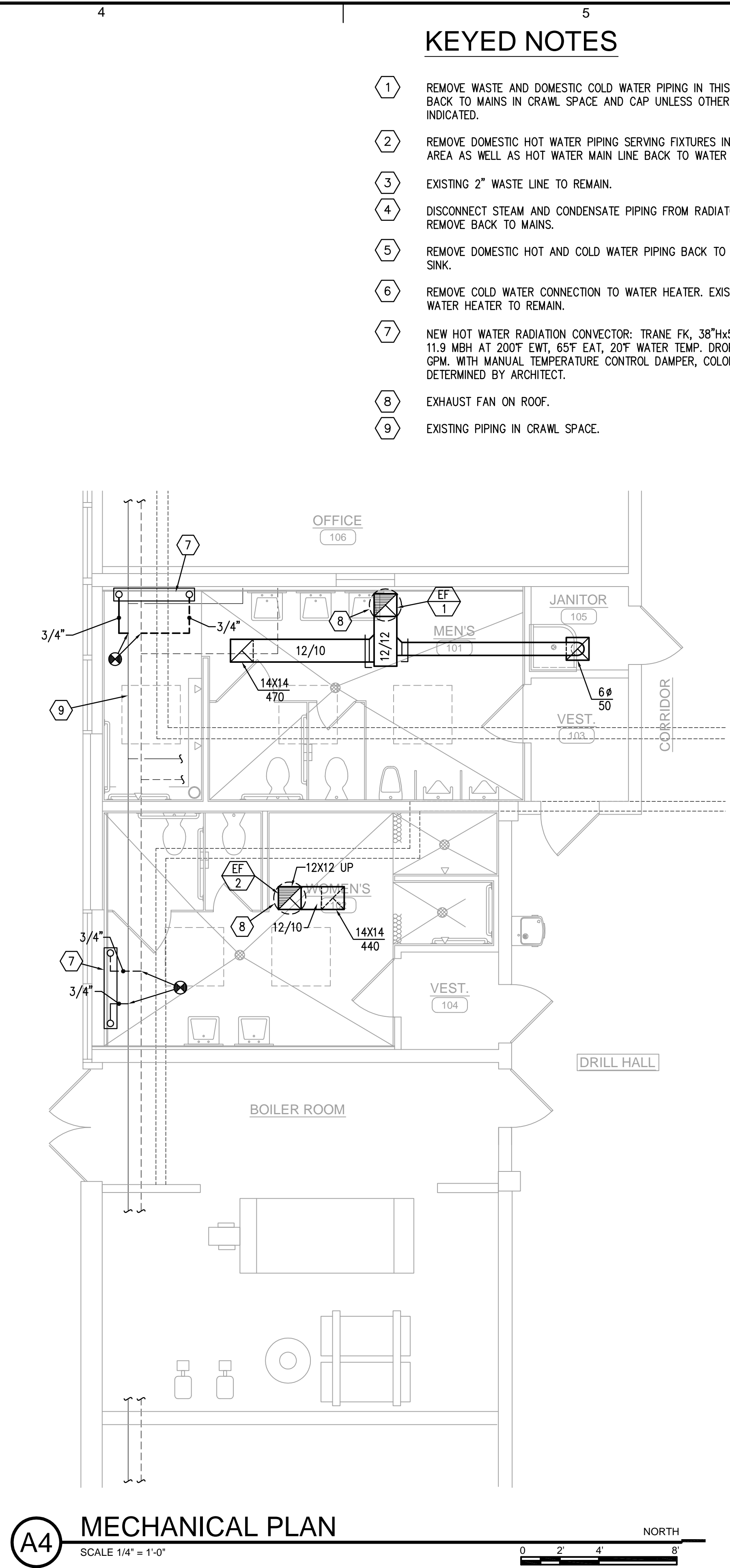
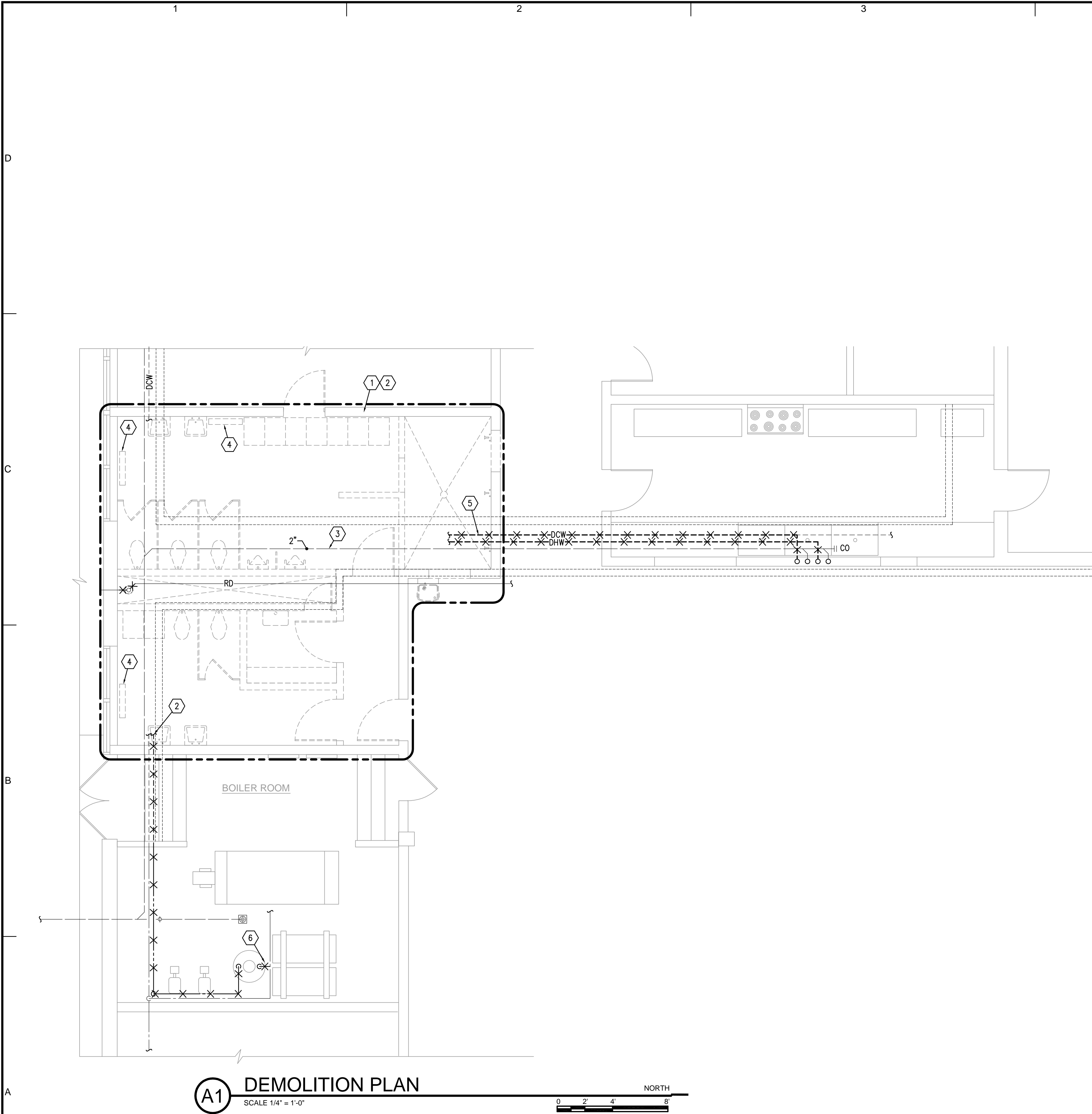
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SHEET TITLE

MECHANICAL LEGEND

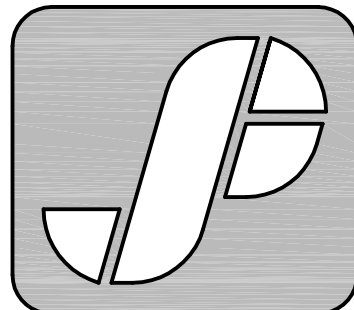
ME-000



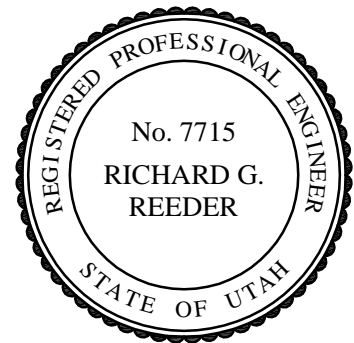
KEYED NOTES

- 1 REMOVE WASTE AND DOMESTIC COLD WATER PIPING IN THIS AREA BACK TO MAINS IN CRAWL SPACE AND CAP UNLESS OTHERWISE INDICATED.
- 2 REMOVE DOMESTIC HOT WATER PIPING SERVING FIXTURES IN THIS AREA AS WELL AS HOT WATER MAIN LINE BACK TO WATER HEATER.
- 3 EXISTING 2" WASTE LINE TO REMAIN.
- 4 DISCONNECT STEAM AND CONDENSATE PIPING FROM RADIATOR AND REMOVE BACK TO MAINS.
- 5 REMOVE DOMESTIC HOT AND COLD WATER PIPING BACK TO KITCHEN SINK.
- 6 REMOVE COLD WATER CONNECTION TO WATER HEATER. EXISTING WATER HEATER TO REMAIN.
- 7 NEW HOT WATER RADIATION CONVECTOR: TRANE FK, 38"Hx50"Lx8"W, 11.9 MBH AT 200°F EWT, 65°F EAT, 20°F WATER TEMP. DROP, 1.2 GPM. WITH MANUAL TEMPERATURE CONTROL DAMPER, COLOR TO BE DETERMINED BY ARCHITECT.
- 8 EXHAUST FAN ON ROOF.
- 9 EXISTING PIPING IN CRAWL SPACE.

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DEMOLITION AND
MECHANICAL PLANS

ME-101

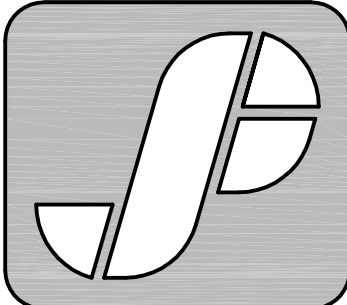
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SHEET TITLE
MECHANICAL SCHEDULES

ME-601

PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	OW (IN)	HW (IN)	W* (IN)	V* (IN)	REMARKS
WC-1	WATER CLOSET	1	--	4	2	FLOOR MOUNTED, FLUSH VALVE, 1.6 GPF, VITREOUS CHINA
WC-2	WATER CLOSET	1	--	4	2	FLOOR MOUNTED, FLUSH VALVE, ADA COMPLIANT, 1.6 GPF, VITREOUS CHINA
U-1	URNAL	3/4	--	2	* 1 1/2	WALL HUNG, VITREOUS CHINA, FLUSH VALVE
U-2	URNAL	3/4	--	2	* 1 1/2	WALL HUNG, VITREOUS CHINA, FLUSH VALVE, ADA COMPLIANT
L-1	LAVATORY	1/2	1/2	1 1/2	* 1 1/2	WALL HUNG, VITREOUS CHINA, 4" O.C. FAUCET
SH-1	SHOWER	1/2	1/2	2	* 1 1/2	SINGLE HANDLED, PRESSURE BALANCED, FIXED SHOWERS, FLOOR DRAIN W/CHROME PLATED STRAINER
SH-2	SHOWER	1/2	1/2	2	* 1 1/2	SINGLE HANDLED, PRESSURE BALANCED, HAND HELD SHOWER, ADA COMPLIANT, FLOOR DRAIN W/CHROME PLATED STRAINER
SH-3	SHOWER	1/2	1/2	2	* 1 1/2	SINGLE HANDLED, PRESSURE BALANCED, FIXED SHOWERS, TRENCH DRAIN
SH-4	SHOWER	-	1/2	2	* 1 1/2	SINGLE HANDLED, PRESSURE BALANCED, HAND HELD SHOWER, ADA COMPLIANT, TRENCH DRAIN
SS-1	SERVICE SINK	3/4	3/4	3	* 1 1/2	FLOOR MOUNTED CORNER MOP SINK
BWC-1	ELECTRIC WATER COOLER	1/2	--	1 1/2	* 1 1/2	WALL MOUNTED, ADA COMPLIANT
SD-1	SHOWER DRAIN	--	--	3	* 1 1/2	SHOWER DRAIN, CHROME PLATED DOME GRATE
FD-1	FLOOR DRAIN	--	--	2	* 1 1/2	GENERAL USE, 6" DIA. NICKLE BRONZE STRAINER, CAST IRON BODY

* MINIMUM UNDERGROUND PIPING SIZE TO BE 2".

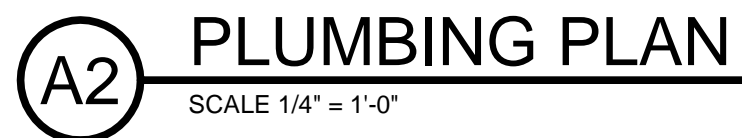
DOMESTIC EXPANSION TANK SCHEDULE										
SYMBOL	MANUF AND MODEL NO.	LOCATION	SYSTEM SERVED	TYPE	TANK SIZE (GAL)	WORKING FLUID	RELIEF VALVE (PSI)	DA/ HEIGHT (IN)	NPTM FITTING (IN)	REMARKS
DET-1	THERM-X-TROL ST-5-C	MECHANICAL ROOM	DOMESTIC HOT WATER	DIAPHRAM	2.1	WATER	150	10/10.5	3/4	

PUMP SCHEDULE													
SYMBOL	MANUF. AND MODEL NO.	LOCATION	SYSTEM SERVED	PUMP				MOTOR				SIZE	
				FLOW RATE (GPM)	HEAD (FT)	WORKING FLUID	% EFF.	PUMP TYPE	BHP	WATTS	RPM	VOL/PH	L/WH (IN)
RCP-1	B&G NBF-12ULW	MECHANICAL ROOM	DOMESTIC WATER	1	10	WATER	--	ALL BRONZE INLINE		24-Feb	2800		6x5x5
													1

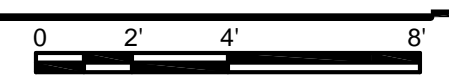
1. PROVIDE WITH AQUASTAT.

EXHAUST FAN SCHEDULE									
SYMBOL	MANUF. AND MODEL NO.	LOCATION	SERVICE	FAN		MOTOR			
				TOTAL AIR FLOW RATE (CFM)	TOT. STATIC PRESSURE DROP (IN H2O)	HP	FAN SPEED (RPM)	VOLT/PH	REMARKS
EF-1	COOK 100 ACEB	MENS 101	TOILET ROOM & JAN CLOSET	520	0.5	0.167	1509	120/1	
EF-2	COOK 80 ACEB	WOMENS 102	TOILET ROOM	440	0.5	0.167	1543	120/1	

- ICE MACHINE CONDENSATE PUMPING SYSTEM: ALTERNATE SHALL INCLUDE ICE MACHINE DISCHARGE PIPING TO PUMP, CONDENSATE PUMP AND 1/2" OVERHEAD PIPING FROM CONDENSATE PUMP TO SINK.



NORT



1. EXTEND WASTE LINE THRU WALL BEFORE DROPPING BELOW FLOOR.
2. DROP PIPING TO CRAWL SPACE AND EXTEND TO SINK.
3. NEW CONNECTION TO EXISTING COLD WATER PIPING.
4. REROUTE ROOF DRAIN PIPING THRU WALL AND RECONNECT TO PIPING LEAVING BUILDING.
5. ROUTE PIPE TIGHT AGAINST WALL AND HIGH ENOUGH TO PASS JUST BELOW STRUCTURE. PAINT PIPE PER ARCHITECT SPECIFICATION.
6. DROP PIPE BELOW COUNTER AND EXTEND THRU CABINET.
7. PROVIDE NEW TAIL PIECE TO SINK WITH CONDENSATE CONNECTION. CONNECT ICE MACHINE WASTE LINE TO SINK TAIL PIECE.
8. CONNECT ICE MACHINE WASTE DISCHARGE TO PUMP PAN INLET.
9. CONDENSATE PUMP: LITTLE GIANT VCMA - 20 OUL VERTICAL TYPE PUMP, 1/2 GALLON ABS TANK, 48 GPH AT 10 FT HEAD, 1/30 HP, 115V 1/160, 1.5 AMPS. PROVIDE CHECK VALVE IN DRAIN PIPE.

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	11-28-05	CONSTRUCTION DOCUMENTS
MARK	DATE	DESCRIPTION

OWNER PROJECT NO:	
ARCH. PROJECT NO: 05-18	
CAD DWG FILE: PE-101.DWG	
DRAWN BY: DL	
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DESIGNED BY: JM	
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PLUMBING AND MECHANICAL PLANS

PE-101

EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	WATTS H.P.	BREAKER	STARTERS FURNISH	INSTALL	SIZE	AUX. CONT.	LOCATION
EF 1	EXHAUST FAN	A-16	120	1	1/6 HP	1P-20A	E	E	3/16"	-	ON ROOF (MEN'S & JANITOR)
EF 2	EXHAUST FAN	A-16	120	1	1/6 HP	1P-20A	E	E	3/16"	-	ON ROOF (WOMEN)
RCP 1	HOT WATER CIRCULATION PUMP	B-19	120	1	55 WATTS	1P-15A	E	E	3/16"	-	BOILER ROOM

E - ELECTRICAL CONTRACTOR
M - MECHANICAL CONTRACTOR

FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
F-1	DAY-BRITE	CD232W-120-1/2-EB101	4 FT, 2 LAMP CEILING MOUNTED FLUORESCENT WALL BRACKET WITH INJECTION MOLDED ACRYLIC PRISMATIC LENS, DOWNLIGHT ONLY, WHITE FINISH AND ONE 2 LAMP, 120 VOLT, <10% THD ELECTRONIC BALLAST, SUITABLE FOR CEILING MOUNT INSTALLATION.	2F32T8/TL835
F-2	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA LSI INDUSTRIES METALUX	RD4-132-EB8LH-120 SJ132-120-1/2-EB101 JS4C132-120-H1 CB-132-120-GE810 F12-132-A-SS010-120 CR232A-120-TEB01	4 FT, 1 LAMP SURFACE MOUNTED FLUORESCENT FIXTURE WITH ACRYLIC PRISMATIC LENS AND ONE 1 LAMP, 120 VOLT, <10% THD ELECTRONIC BALLAST	1F32T8/TL835
F-3	CAPRI DMF LIGHTING HALO LIGHTOLIER PORTFOLIO PRESCOLITE	CM8-F126/32/42-U-H85 DHFH8-1261-D806 8037CCLV-7132BU AF-126TRT-8AR-120-GE810 C7132E-7150LI CT832HEB-STF802H	RECESSED COMPACT FLOURESCENT DOWNLIGHT WITH SPECULAR CLEAR LOW IRIDESCENT ALZAK REFLECTOR, NOMINAL 8" DIAMETER APERTURE AND 120 VOLT <10% THD ELECTRONIC BALLAST.	1CFM26W/35K
F-4	CAPRI	CM8-F126/32/42-U-H85SWR	RECESSED COMPACT FLOURESCENT SHOWER LIGHT, WITH NOMINAL 8" DIAMETER APERTURE, OPAL POLYCARBONATE LENS, AND 120/277 UNIVERSAL VOLTAGE <10% THD ELECTRONIC BALLAST. UL LISTED WET LOCATION "SHOWER LIGHT".	1CFM26W/35K

GENERAL ELECTRICAL NOTES:

- FOR ALL ELECTRICAL SHEETS
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
 - DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, BOXES, ETC., WHETHER SPECIFICALLY SHOWN OR NOT.
 - CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
 - WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
 - ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
 - COORDINATE NEW FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
 - COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
 - WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, THE BRANCH CIRCUIT SHALL BE THAT SIZE WIRE THROUGHOUT, INCLUDING SWITCH LEGS, ETC.
 - TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

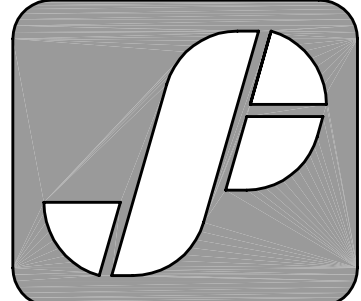
DEMOLITION KEYED NOTES:

- (D1) REMOVE EXISTING SURFACE MOUNTED FIXTURE INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- (D2) REMOVE EXISTING SWITCH INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- (D3) REMOVE EXISTING SWITCH AND RECEPTACLE COMBINATION INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
- (D4) REMOVE EXISTING SWITCH AND WIRING. RETAIN EXISTING OUTLET BOX AND CONDUIT TO CEILING SPACE FOR INSTALLATION OF NEW SWITCH AND WIRING AS SHOWN ON LIGHTING PLAN.
- (D5) RETAIN EXISTING LIGHTING BRANCH CIRCUIT HOMERUN FOR CONNECTION TO NEW LIGHTING AS SHOWN ON LIGHTING PLAN.
- (D6) REMOVE EXISTING RECEPTACLE AND WIRING COMPLETE. ABANDON EXISTING FLUSH OUTLET BOX AND CONCEALED CONDUIT IN PLACE TO BE COVERED BY NEW WALL FINISH.
- (D7) REMOVE EXISTING RECEPTACLE, WIRING, OUTLET BOX, AND CONDUIT AS REQUIRED TO ALLOW WALL DEMOLITION FOR NEW DOOR.
- (D8) INTERCEPT AND RECONNECT EXISTING BRANCH CIRCUIT INTERRUPTED BY REMOVAL OF EXISTING RECEPTABLES. FIELD VERIFY REQUIREMENTS.
- (D9) EXISTING RECEPTACLE TO REMAIN. SHOWN FOR REFERENCE ONLY.
- (D9) REMOVE EXISTING SURFACE MOUNTED RECEPTACLE, WIRING, OUTLET BOX EXTENSION, AND EXPOSED CONDUIT. EXISTING FLUSH OUTLET BOX IN MASONRY WALL FOR ORIGINAL SWITCH IS TO BE ABANDONED IN PLACE AND COVERED BY NEW WALL FURRING. FIELD VERIFY EXISTING CIRCUIT.
- (D10) REMOVE EXISTING SURFACE MOUNTED RECEPTACLE, WIRING, CONDUIT, BOXES, ETC.
- (D11) REMOVE EXISTING SURFACE MOUNTED TELE/DATA OUTLET INCLUDING CABLES TO EXISTING TELE/DATA TERMINAL.
- (D12) REMOVE EXISTING TELE/DATA PULLBOX COMPLETE INCLUDING CABLES TO EXISTING TELE/DATA TERMINAL AND CABLES TO EXISTING TELE/DATA OUTLETS.
- (D13) RETAIN EXISTING SURFACE RACEWAY SYSTEM ACROSS HALLWAY FOR INSTALLATION OF NEW TELE/DATA CABLES.
- (D14) REMOVE EXISTING SWITCH AND COVER PLATE. RETAIN EXISTING OUTLET BOX AND WIRING FOR INSTALLATION OF NEW SWITCH AND COVERPLATE, SEE LIGHTING PLAN.

LIGHTING KEYED NOTES:

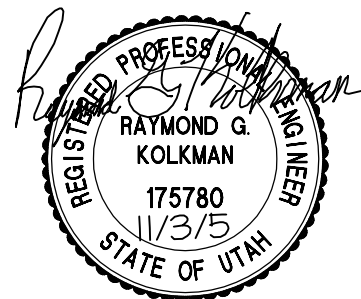
- (L1) CONNECT NEW LIGHTING TO EXISTING BRANCH CIRCUIT ABANDONED BY DEMOLITION OF EXISTING LIGHTING.
- (L2) PROVIDE NEW SWITCH IN EXISTING FLUSH OUTLET BOX AND CONNECT TO NEW LIGHTING AS SHOWN.
- (L3) NEW SKYLIGHT, SEE ARCHITECTURAL PLANS AND DETAILS.
- (L4) PROVIDE NEW EXTENSION BOX FOR EXISTING SWITCH AS REQUIRED TO BE FLUSH WITH NEW WALL FURRING. PROVIDE NEW SWITCH AND COVER PLATE AND CONNECT TO EXISTING LIGHTING.

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MARK	DATE	DESCRIPTION
	11/03/05	Construction Documents

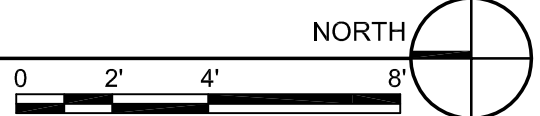
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SHEET TITLE
DEMOLITION PLAN,
LIGHTING PLAN,
AND FIXTURE SCHEDULE

E-101

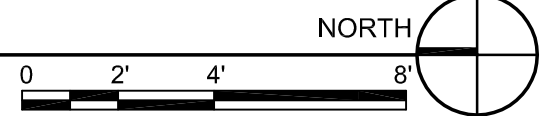
A1 ELECTRICAL DEMOLITION PLAN

SCALE 1/4" = 1'-0"



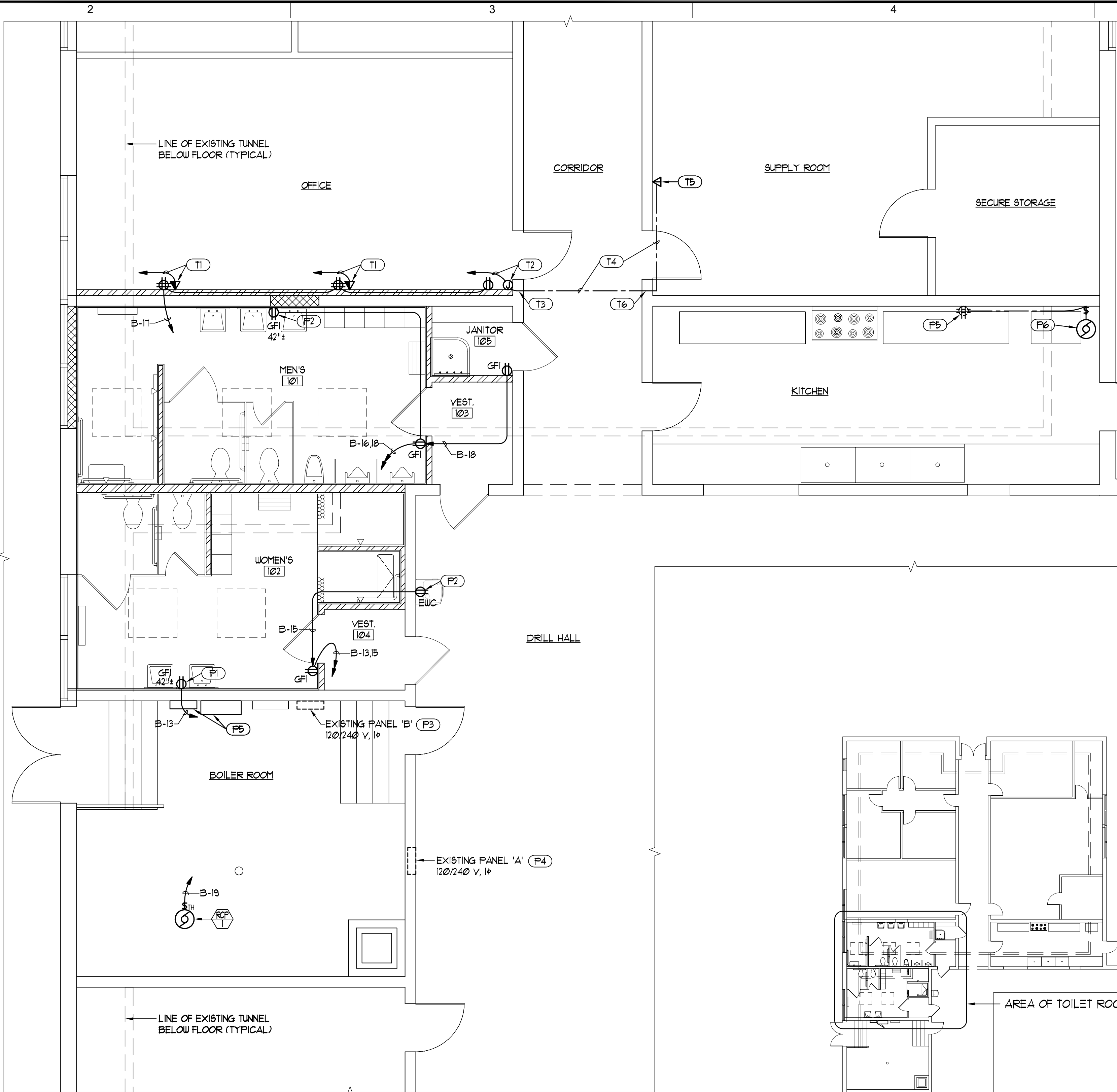
A3 LIGHTING PLAN

SCALE 1/4" = 1'-0"



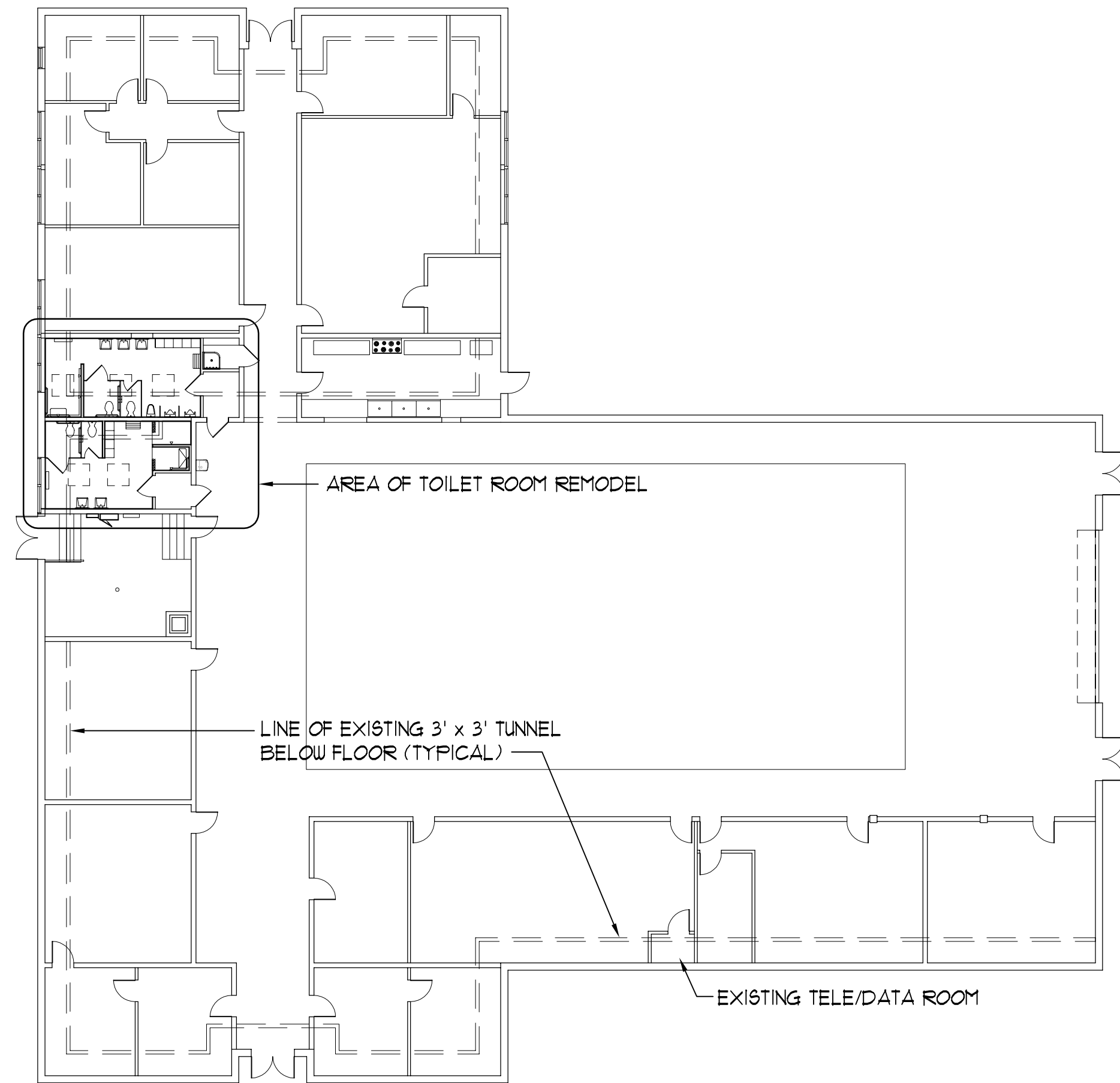
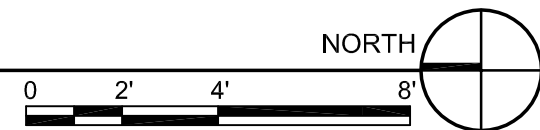
SYMBOL LIST

SYMBOL	DESCRIPTION
	NEW CEILING MOUNTED FIXTURE
	NEW FLUORESCENT FIXTURE
	NEW RECESSED FIXTURE
	EXISTING CEILING MOUNTED FIXTURE
	EXISTING FLUORESCENT FIXTURE
	NEW SINGLE POLE SWITCH
	EXISTING SINGLE POLE SWITCH
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
	NEW DUPLEX RECEPTACLE
	NEW DOUBLE DUPLEX RECEPTACLE
	NEW RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
	NEW RECEPTACLE FOR ELECTRIC WATER COOLER
	EXISTING DUPLEX RECEPTACLE
	NEW TELEPHONE/DATA OUTLET
	EXISTING TELEPHONE/DATA OUTLET
	EXISTING POWER PANELBOARD, 120/240 VOLT, 1 PHASE
	NEW 1 PHASE, 3 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
	NEW BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
	NEW BRANCH CIRCUIT CONCEALED IN FLOOR OR WALL
	NEW BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
	EXISTING BRANCH CIRCUIT
	NEW MOTOR
	NEW MANUAL MOTOR STARTING SWITCH W/ THERMAL OVERLOAD PROTECTION
	EQUIPMENT SCHEDULE SYMBOL
	FIXTURE SCHEDULE SYMBOL
	KEYED NOTE SYMBOL
	INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE



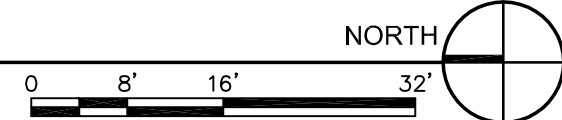
B2 POWER AND TELE/DATA PLAN

SCALE 1/4" = 1'-0"



A4 ELECTRICAL REFERENCE PLAN

SCALE 1/16" = 1'-0"



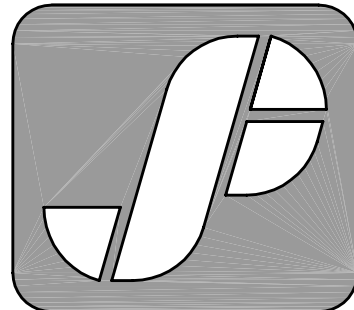
POWER KEYED NOTES:

- (P1)** PROVIDE NEW OUTLET BOX FLUSH IN EXISTING MASONRY WALL. EXTEND CONDUIT THROUGH WALL TO BOILER ROOM AND INSTALL CONDUIT EXPOSED IN BOILER ROOM TO EXISTING PANEL. SEAL NEW CONDUIT PENETRATION THROUGH WALL AS REQUIRED. COORDINATE WITH FUTURE PANELBOARD LOCATIONS.
- (P2)** PROVIDE NEW OUTLET BOX FLUSH IN EXISTING MASONRY WALL. EXTEND CONDUIT THROUGH WALL TO NEW WALL FURRING ON OPPOSITE SIDE OF WALL AND INSTALL CONDUIT CONCEALED IN WALL FURRING. SEAL NEW CONDUIT PENETRATION THROUGH WALL AS REQUIRED.
- (P3)** PROVIDE SIX SQUARE D TYPE 'QOB' 1P-20A BRANCH CIRCUIT BREAKERS IN EXISTING PANEL 'B' TO SERVE NEW RECEPTACLE BRANCH CIRCUITS. PROVIDE NEW TYPEWRITTEN CIRCUIT DIRECTORY TO REFLECT ALL CHANGES IN CIRCUITING.
- (P4)** PROVIDE NEW TYPEWRITTEN CIRCUIT DIRECTORY FOR EXISTING PANEL 'A' TO REFLECT ALL CHANGES IN CIRCUITING.
- (P5)** EXISTING RECEPTACLE FOR EXISTING ICE MACHINE TO REMAIN.
- (P6)** NEW CONDENSATE PUMP FOR EXISTING ICE MACHINE, 1/30 HP, 115 V, 1P. PROVIDE NEW SINGLE POLE TOGGLE DISCONNECT SWITCH AND CONNECT TO CIRCUIT FOR EXISTING ICE MACHINE AS SHOWN.
- (P7)** LOCATION OF FUTURE ELECTRICAL PANELBOARDS TO BE INSTALLED UNDER A SEPARATE CONTRACT.

TELE/DATA KEYED NOTES:

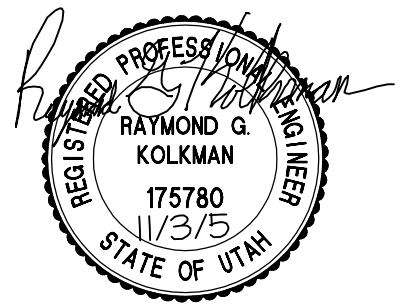
- (T1)** PROVIDE NEW FLUSH MOUNTED TELE/DATA OUTLET WITH 3/4" CONDUIT TO EXISTING TUNNEL BELOW FLOOR. PROVIDE 2 NEW STATION CABLES FROM NEW OUTLET TO EXISTING PATCH BLOCK IN EXISTING TELE/DATA ROOM.
- (T2)** PROVIDE NEW 4-11/16" SQ. x 2-1/8" DEEP FLUSH MOUNTED FULLBOX WITH BLANK COVERPLATE NEAR EXISTING CEILING WITH 3/4" CONDUIT TO EXISTING TUNNEL BELOW FLOOR.
- (T3)** PROVIDE 3/4" CONDUIT FROM NEW TELE/DATA FULLBOX THROUGH EXISTING WALL TO EXISTING SURFACE RACEWAY ON CORRIDOR CEILING. DRILL AND FIRE SEAL EXISTING CORRIDOR WALL TO INSTALL NEW CONDUIT.
- (T4)** EXISTING SURFACE RACEWAY SYSTEM ON CORRIDOR CEILING AND IN ROOM TO EXISTING TELE/DATA OUTLET TO REMAIN.
- (T5)** EXISTING TELE/DATA OUTLET WITH (2) VOICE AND (2) DATA COUPLERS TO REMAIN. PROVIDE 4 NEW STATION CABLES FROM OUTLET THROUGH EXISTING SURFACE RACEWAY SYSTEM TO NEW FULLBOX. IN CONDUIT FROM FULLBOX TO TUNNEL, AND THROUGH TUNNEL TO EXISTING TELE/DATA ROOM. PROVIDE NEW COUPLERS AND CONNECT TO NEW STATION CABLES.
- (T6)** FIRE SEAL NEW CABLE PENETRATIONS THROUGH EXISTING CORRIDOR WALL.

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SHEET TITLE
POWER AND TELE/DATA
PLAN, SYMBOL LIST, AND
REFERENCE PLAN

E-102